

PAIDC

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Application No. <u>101092,551</u>	Prepared by <u>N.H.</u>	Tracking Number <u>05882034</u>	
Examiner-GAU <u>Sanghavi-2874</u>	Date <u>1-30-4</u>	Week Date <u>12/29/03</u>	
<u>KNAUS, SCOTT</u>	No. of queries <u>1</u>	IFW	

## JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

## SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

## CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering
- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

## MESSAGE

Claim 20 (original <sup>31</sup> ~~30~~) depends on itself, Please Advise.

Thank you

initials N.H.

## RESPONSE

See attach ~~from~~ <sup>from</sup> examiner for the purpose of correcting dependency of claim 31. Atty notified by telephone.

initials [Signature]

Examiner-Initiated Interview Summary	Application No.	Applicant(s)	
	10/092,551	MUKAI, KOHKI	
	Examiner	Art Unit	
	Scott Alan Knauss	2874	

**All Participants:** (1) Scott Alan Knauss.  
(2) Michael Lau, Attorney for applicant.

**Status of Application:** \_\_\_\_\_  
(3) \_\_\_\_\_  
(4) \_\_\_\_\_

**Date of Interview:** 12 February 2004 **Time:** \_\_\_\_\_

**Type of Interview:**  
☒ Telephonic  
☐ Video Conference  
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☐ No  
If Yes, provide a brief description:

**Part I.**  
Rejection(s) discussed:  
*none*  
Claims discussed:  
*31*  
Prior art documents discussed:  
*none*

**Part II.**  
SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:  
*Examiner informed applicant of improper dependency of claim 31. Applicant authorized change of claim to depend from claim 27.*

**Part III.**  
☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.  
☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.

\_\_\_\_\_  
(Examiner/SPE Signature)

\_\_\_\_\_  
(Applicant/Applicant's Representative Signature – if appropriate)

Claim 30 (new): An optical switch according to claim 29, wherein the second multimode interferometer changes intensities of optical signals exiting from the first output port and the second output port of the second multimode interferometer, when the refractive index of the first optical waveguide is changed and phase of one of optical signals propagating through the first optical waveguide and the second optical waveguide is delayed from phase of the other optical signal.

Claim 31 (new): An optical switch according to claim ~~30~~<sup>31</sup>, wherein the second multimode interferometer has a shape line-symmetrical to the first multimode interferometer about an imaginary straight line connecting a middle point of the first optical waveguide and a middle point of the second optical waveguide.